

ABSTRACT

A method for call admission control in a fast dynamic channel allocation wireless communication system begins by requesting that a call be admitted. System measurement results are obtained and timeslot sequences are generated by determining a figure of merit for each timeslot. A code set is determined and an attempt is made to assign a code set to a timeslot sequence, wherein each successful assignment is considered to be a solution. The solution having the lowest weighted total interference signal code power is selected, and codes are allocated for the selected solution. The physical resource allocation information is recorded and a response to the call admission request is issued.